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IS 10381 (1982): Terms (and their Hindi equivalents) commonly used for name plates and similar data of electrical power equipment [ETD 1: Basic Electrotechnical Standards]

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Indian Standard

TERMS (AND THEIR HINDI EQUIVALENTS) COMMONLY USED FOR NAME-PLATES AND SIMILAR DATA OF ELECTRICAL POWER EQUIPMENT

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TERMS (AND THEIR HINDI EQUIVALENTS) COMMONLY USED FOR NAME-PLATES AND SIMILAR DATA OF ELECTRICAL POWER EQUIPMENT

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Indian Standard

TERMS (AND THEIR HINDI EQUIVALENTS) COMMONLY USED FOR NAME-PLATES AND SIMILAR DATA OF ELECTRICAL POWER EQUIPMENT

0. FOREWORD

0.1 This Indian Standard was adopted by the Indian Standards Institution on 2 November 1982, after the draft finalized by the Electrotechnical Standards Sectional Committee had been approved by the Electrotechnical Division Council.

0.2 With the increasing use of Hindi, the name-plates and information leaflets of electrical equipment are now prepared in the bilingual form. It is, therefore, desirable that the terms and phrases employed along with their abbreviations, if any, are uniformly understood throughout the country and the meaning conveyed by the terms in English is the same as with their Hindi equivalents.

0.3 This standard attempts to present a list of terms (and their Hindi equivalents) commonly used in name-plates of electrical power equipments. The terms presently covered are of a general nature and would therefore also cover those terms which may not necessarily find use in the name-plates but are required for the purposes of a detailed instruction leaflet/brochure accompanying the equipment.

0.4 It is observed that quite often the exact Hindi translation of English terms is used, while in many other cases, the English terms (without any change) are written in Devnagri script. The standard in the present form indicates the current practice and proposes to provide guidance for a practice to be uniformly adopted in the country.

0.5 While preparing this standard, attempt has been made to cover terms used in conjunction with all types of electrical equipments. Most of these terms would have to be used with quantities and units associated with them, which do not form part of this standard. These quantities, their letter (English) symbols and associated signs are covered in IS : 3722-1966*. It is recommended that, quantities and units in the field of electrotechnology should be retained as such in the Devnagri script, and no attempt should be made to translate them. Products, where the nomenclature is commonly understood should also be retained in the Devnagri script.

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*Letter symbols and signs used in electrical technology.

0.6 It is expected that through the use of this standard considerable time and effort employed in deciding the Hindi equivalents would be saved and would lead to adoption of a uniform practices in communication.

0.7 It is recognized that the terms included in this standard are not exhaustive. It is not also the intention of this standard to present an exhaustive electrotechnical vocabulary in Hindi. As a first stage, this standard covers terms relating to electrical power equipment. However in course of time, additional terms which have found acceptance by all concerned would be included so far as the scope permits.

0.8 The Committee responsible for the preparation of this standard had considered the usefulness of a similar excercise in standardizing terms and their equivalents in Indian languages other than Hindi. It is proposed to prepare bilingual standards of similar nature in due course.

0.9 The Hindi terminology used in this standard takes into account the contents of "Technical Hindi Dictionary" of the Central Hindi Directorate, New Delhi.

1. SCOPE

1.1 This standard covers English terms and their equivalents in Hindi commonly used in name-plates and information leaflets of electrical equipment.

2. ENGLISH TERMS AND THEIR EQUIVALENTS

2.1 The terms and their equivalents in Hindi are given below:

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Accuracy Class-I	यथार्थता वर्ग-I
Air Blast Circuit Breaker	एयर ब्लास्ट सरक्यूट ब्रेकर
Air Circulation	एयर सर्कुलेशन
Alternating Current Generator	ऑल्टेरनेटिंग करेंट जनरेटर
Alternating Current Input	ऑल्टेरनेटिंग करेंट निवेश
Ampere	ऐम्पियर
Application	अनुप्रयोग
Asymmetrical	असममित

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Automatic Voltage Regulator	स्वचालित वोल्टता नियंत्रक
Auto-Transformer	आॅटो ट्रांसफार्मर
Auxiliary Capacitor	सहायक केपेसिटर
Auxiliary Voltage Transformer	सहायक वोल्टता ट्रांसफार्मर
Basic Insulation Level	मूल विद्युत रोधनस्तर
Breaking Capacity	विच्छेदन क्षमता
Bus Bar	बस बार
Bushing	बुशिग
Bypass Valve	उपमार्ग वाल्व
Capacitor Voltage Transformer	केपेसिटर वोल्टता ट्रांसफार्मर
Capacity Kilo Volt Ampere	धारिता किलो वोल्ट ऐम्पियर
Category	वर्ग
Caution	सावधान
Charge	चार्ज
Circuit Breaker	सर्किट ब्रेकर
Class of Insulation	विद्युत रोधन श्रेणी
Close	बन्द
Closing Coil	निमीलक कुंडली
Commutating Reactance (Phase to Neutral)	द्विपरिवर्ती प्रतिघात (फेज से न्यूट्रल को)
Condenser	कंडेन्सर
Control	नियंत्रण
Controlgear	कंट्रोल गियर
Continuous Rating	अविरत निर्धार
Converter Equipment	परिणामित्र उपस्कर
Coolant	शीतक
Core Protection Current Transformer	कोर रक्षण करेंट ट्रांसफार्मर
Coupling Capacitor	युग्मक केपेसिटर
Current	करेंट
Current Transformer	करेंट ट्रांसफार्मर

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Current in Amperes	करेंट ऐम्पियरों में
Cycles per Second	चक्र प्रति सेकंड
Danger	खतरा
Date of Manufacture	निर्माण की तिथि
Deaeration Equipment	विवातन उपस्कर
Delta	डेल्टा
Device	युक्ति
Diagram Number	आरेख संख्या
Diameter	व्यास
Differential Protection	विभेदक रक्षण
Direct Contact Type	सीधा सम्पर्क प्रकार
Discharge Capacitor Before Handling	पहले केपेसिटर को अनावेशित करें फिर हाथ लगायें
Disconnect	असंबद्ध करना
Disconnecting Chamber	असंबद्धन कक्ष
Drive End	चालन सिरा
Direct Current Ampere	दिष्ट करेंट ऐम्पियर
Direct Current Breaker	दिष्ट करेंट ब्रेकर
Direct Current Exciter	दिष्ट करेंट उत्तेजक
Direct Current Generator	दिष्ट करेंट जनरेटर
Direct Current Motor	दिष्ट करेंट मोटर
Direct Current Reactor	दिष्ट करेंट रिऐक्टर
Direct Current Smoothing Reactor	दिष्ट करेंट संरेखण रिऐक्टर
Direct Current Volts	दिष्ट करेंट वोल्ट
Drop in Water Pressure	पानी के दाब में कमी
Duty Cycle	उपयोगिता अनुपात
Earthed	अर्थ्ड
Earth Fault Current	भू दोष करेंट
Earth Fault Release Coil	भू दोष मोचन कुंडली
Earthing Switch	अर्थिंग स्विच
Earthing Transformer	अर्थिंग ट्रांसफार्मर

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Earth Switch	अर्थ स्विच
Efficiency	दक्षता
Specification Number	विनिर्देश संख्या
Energy Storage Capacitor	इनर्जी स्टोरेज केपेसिटर
Equivalent	तुल्य
Excitation	उत्तेजन
Excitation Amperes	उत्तेजन ऐम्पियर
Excitation Separate	उत्तेजन पृथक
Excitation Volts	उत्तेजन वोल्ट
Excitation Current	उत्तेजन करेंट
Field Breaker	क्षेत्र ब्रेकर
Field Shunting	क्षेत्र को शंट करना
Figure	आकृति
Frame	फ्रेम
Frame Reference	फ्रेम संदर्भ
Frequency	आवृत्ति
Gas Pressure	गैस-दाब
Generator	जनरेटर
Governor Alternating Current Generator	आल्टेरनेटिंग करेंट जनरेटर नियामक
Heating Element	तापन अवयव/एलिमेन्ट
Hertz	चक्र प्रति सेकंड/हर्ट्ज
Highest System Voltage	उच्चतम प्रणाली वोल्टता/उच्चतम तंत्र वोल्टता
High Reactance Transformer	उच्च प्रतिघात ट्रांसफार्मर
High Voltage Neutral	उच्च वोल्टता न्यूट्रल
High Voltage Line Terminal	उच्च वोल्टता लाइन टर्मिनल
High Voltage Transformer	उच्च वोल्टता ट्रांसफार्मर
Hydraulic Test Pressure	द्रवचालित परीक्षण दाब
Hydro Turbine	हाइड्रो टरबाइन
Impedance	प्रतिबाधा
Impedance Volt	प्रतिबाधा वोल्ट

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Induction Motor	इंडक्शण मोटर
Indian Standards	भारतीय मानक
In Conjunction with	के साथ
Input Rating	निवेश निर्धार
Insulation Class	विद्युत रोधन श्रेणी
Insulation Level	विद्युत रोधन स्तर
Intermediate Capacitor	माध्यमिक केपेसिटर
Intermittent	आंतरायिक
Knee Point Voltage	जनुबिन्दु वोल्टता
Kilo Amperes	किलो ऐम्पियर
Kilo Calories per Hour	किलो कैलारी प्रति घंटा
Kilogram per Centimetre Square	किलोग्राम प्रति वर्ग सेन्टीमीटर
Kilo per Cubic Centimetre (Gauge)	किलो प्रति घन सेन्टीमीटर (गेज)
Kilo Volt	किलो वोल्ट
Kilo Volt Ampere	किलो बोल्ट ऐम्पियर
Kilo Watt	किलो वाट
Kilo Volt Ampere Reactive	किलो वोल्ट ऐम्पियर रिऐक्टिव
Kilo Volt (rms)	किलो वोल्ट (आर०एम०एस०)
Lag	पश्चता
Line K. V. A. (Continuous)	लाइन किलो वोल्ट ऐम्पियरसतत/अविच्छिन्न
Litres per Minute	लिटर प्रति मिनट
Load	लोड
Loading Conditions of 3 Windings	3 कुंडलियों की भारण अवस्था
Logical Control	तार्किक नियंत्रण
Looping in Terminal	टर्मिनल में पाशन
Low Voltage	निम्न वोल्टता
Low Voltage Auto-Transformer	निम्न वोल्टता ऑटो ट्रांसफार्मर
Low Voltage Auxiliary Reactor	निम्न वोल्टता सहायक रिऐक्टर
Low Voltage Reactor	निम्न वोल्टता रिऐक्टर
Machine Number	मशीन संख्या

Full Description of the Rating Terms English	*Full Description of the-Rating Terms Hindi*
Made in India	भारत में निर्मित
Magnetisation	चुम्बकन
Main	मुख्य
Main and Weak Field	मुख्य और दुर्बल क्षेत्र
Main Feature	मुख्य लक्षण
Main Transformer Secondary	मुख्य ट्रांसफार्मर द्वितीयक
Main Transformer Primary	मुख्य ट्रांसफार्मर प्राथमिक
Manufacturer's Serial Number	निर्माता की क्रमसंख्या
Making Capacity	संबंधन क्षमता
Maximum	अधिकतम
Maximum Pressure of Cooling Water	शीतलन जल का अधिकतम दाब
Maximum Working Pressure	अधिकतम कार्यकारी दाब
Medium	मध्यम
Metering Unit	मापन मात्रक
Metering Current Transformer	मापन धारा ट्रांसफार्मर
Minimum	न्यूनतम
Millimetres of Mercury	मिली मीटर पारा
Neutral	न्यूट्रल
Net Burden Volt Ampere	कुल भार वोल्ट ऐम्पियर
Net Burden Watts	कुल भार वाट
Nominal Current	सांकेतिक धारा
Nominal Pressure	सांकेतिक दाब
Nominal Rating	सांकेतिक निर्धार
Nominal Temperature of Cold Water (Degree Centrigrade)	शीतल जल का सांकेतिक ताप (डिग्री सेन्टीग्रेड)
Non-Inductive Resistance Coil	अप्रेरणिक प्रतिरोधक कुंडली
Number of Phase	फेज संख्या
Number of Frames	फ्रेम संख्या
Normal	प्रसामान्य/नार्मल
Off	आफ

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Oil	तेल
Oil Circuit Breaker	तेल सरक्यूट ब्रेकर
Oil Pressure	तेल का दाब
Oil Tank Capacity	तेल टंकी की क्षमता
Oil Quantity	तेल की मात्रा
Oil Pressure Unit	तेल दाब यूनिट
Off Load Heating Capacity	निष्कासित भार तापन क्षमता
Ohms	ओम
On	ऑन
One Hour Rating	एक घंटा निर्धार
Open	खुला
Output	निर्गम
Output Voltage	निर्गम वोल्टता
Outline Drawing	आउटलाईन ड्राइंग
Over Current Release Coil	अति करेंट मोचन कुंडली
Over Current Factor	अति करेंट गुणक
Peak	शिखर
Peak Load	अधिकतम लोड
Permanent Magnet Generator	स्थायी चुम्बक जनरेटर
Phase	फेज
Phase Adjustment	फेज समायोजन
Pico-Farad	पिको-फैरड
Poles	पोल
Power Factor	पावर फेक्टर
Power Factor Testing Terminal	शक्ति गुणक परीक्षण टर्मिनल
Primary	प्राथमिक
Primary Current	प्राथमिक करेंट
Primary Phase	प्राथमिक फेज/कला
Primary Volts	प्राथमिक वोल्ट
Primary Winding	प्राथमिक कुंडलन
Primary Line	प्राथमिक लाइन

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Protection	रक्षण
Protection Current Transformer	रक्षण करेंट ट्रांसफार्मर
Protection Switch	रक्षण स्विच
Protective Spark Gap and Earthing Switch	रक्षी स्फुलिंग अंतराल एवं अर्थिग स्विच
Rated Current in Amperes	निर्धारित करेंट ऐम्पियर में
Rated Frequency	निर्धारित आवृत्ति
Rated Load Excitation Voltage and Current	निर्धारित भार उत्तेजन वोल्टता तथा धारा
Requirements	आवश्यकताएं
Rated Output	निर्धारित निर्गम/निर्गम
Rated Power Factor	निर्धारित पावर फेक्टर
Rated Speed	निर्धारित गति
Rated Terminal Voltage in Volts	निर्धारित टर्मिनल वोल्टता वोल्ट में
Rated Primary Current	निर्धारित प्राथमिक करेंट
Rating	निर्धार/रेटिंग
Rating Class	निर्धार वर्ग
Ratio	अनुपात
Ratio Adjustment	अनुपात समायोजन
Ratio Coarse Adjustment	स्थूल अनुपात समायोजन
Ratio Fine Adjustment	सूक्ष्म अनुपात समायोजन
Ratio Medium Adjustment	मध्यम अनुपात समायोजन
Rectifier Output dc	दिष्टकारी निर्गम दि० धा०
Rectifier Transformer	दिष्टकारी ट्रांसफार्मर
Regulation	नियमन
Relevant Standard	सुसंगत मानक
Resistor	प्रतिरोधक
Removable Link	अपनेय/हटाई जा सकने वाली/कड़ी/संपर्कक
Revolution Per Minute	परिभ्रमण प्रति मिनट
Residual Volt Ampere	अवशिष्ट वोल्ट ऐम्पियर
Rotor	रोटर

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Rotor Current	रोटर करेंट
Rotation	परिभ्रमण/घूर्णन
Rotor Voltage	रोटर वोल्टता
Saturation Factor	संतृप्ति गुणक
Second	सेकंड
Secondary	द्वितीयक
Secondary Winding	द्वितीयक कुंडली
Secondary Ohms	द्वितीयक ओम
Secondary Terminal Arrangement	द्वितीयक टर्मिनल व्यवस्था
Separate Excitation Volts	पृथक उत्तेजन वोल्ट
Serial Number	क्रम संख्या
Series Winding	श्रेणीबद्ध कुंडलन
Series Capacitor	श्रेणीबद्ध केपेसिटर
Service Volt	सर्विस वोल्ट
Short Time	अल्प काल
Stator Voltage	स्टेटर वोल्टता
Short Time Current	अल्प काल करेंट
Shunt Trip Coil	पार्श्व पथ झट खंडन कुंडली
Speed	गति
Spark Gap	स्फुलिंग अंतराल
Specification	विनिर्देश
Specification of Bushing	बुशिंग का विनिर्देश
Stabilizing Volt	स्थायीकारी वोल्ट
Standard	मानक
Stator	स्टेटर
Stator Current	स्टेटर करेंट
Stator Winding Connection	स्टेटर कुंडलन संबंधन
Suitable	उपर्युक्त
Surface Condenser	सरफेस कंडेन्सर/पृष्ठ द्रवणित्र

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Surge Suppressor	महोर्मि/तरंग निरोधक
Super Tropical	अति उष्ण कटिबंधीय
Switchgear	स्विचगियर
Switch Position	स्विच स्थान
Symmetrical	स्विसममित
System Volt	तंत्र वोल्ट
Synchronous Condenser	सिंक्रोनस कंडेन्सर
Tap Changer	टेप परिवर्तक
Temperature	ताप
°C	डिग्री सेंटीग्रेड
Temperature Category	ताप वर्ग
Temperature Rise Winding	ताप वृद्धि कुंडलन
Tertiary	तृतीयक
Thyristor	थाइरिस्टर
To Marshalling Box	एकत्रीकरण पेटी की ओर
To Marshalling Kiosk	एकत्रीकरण मंडप की ओर
According to Indian Standard	भारतीय मानक के अनुसार
Total Weight	कुल भार
Traction Machine	संकर्षण मशीन
Transformer	ट्रांसफार्मर
Tripping Coil	आशु खंडन कुंडली
Tropical	उष्ण कटिबंधीय
Turbine Supervision	टरबाइन पर्यवेक्षण
Turbine Guide Bearing Segment Temperature	टरबाइन निर्देशक बेयरिंग खंड का ताप
Turbine Guide Bearing Oil Temperature	टरबाइन निर्देशक बेयरिंग तेल का ताप
Turns	चक्कर
Type	प्रकार
Type of Cooling	शीतलन का प्रकार
Type of Connection	संबंधन का प्रकार

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi.*
Type of Insulating Liquid	द्रव विद्युत रोधी का प्रकार
Type of Winding Connection	कुंडलन संबंधन का प्रकार
Turbo Generator	टर्बो जनरेटर
Under Voltage Release Coil	अधोवोल्टता मोचन कुंडली
Vacuum	निर्वात
Valve for Draining Oil	तेल अपवाहन के लिए वाल्व
Valve for Filtering of Oil	तेल फिल्टर करने के लिए वाल्व
Valve for Taking Samples	नमूने लेने के लिए वाल्व
Vector Diagram	सदिश आरेख
Vector Symbol	सदिश प्रतीक
Vent Condenser	निकास संघनित्र
Vessel	पात्र
Vessel Capacity	पात्र धारिता
Volts	वोल्ट
Voltage	वोल्टता
Voltage Range	वोल्टता रेन्ज/परिसर
Volts No Load	वोल्ट शून्य भार
Voltage Ratio	वोल्टता अनुपात
Voltage of Stabilizing Winding 3 300 Volt	स्थायीकारी कुंडलन की वोल्टता 3 300 वोल्ट
Volt Ampere Per Phase	वोल्ट ऐम्पियर प्रति प्रावस्था
Voltage Transformer	वोल्टता ट्रांसफार्मर
Voltage Grading Capacitor	वोल्टता श्रेणी केपेसिटर
Water and Hydrogen Cooled Turbogenerator	जल और हाइड्रोजन शीतित टर्बोजेनरेटर
Weak Field	दुर्बल क्षेत्र
Weight	भार
Weight (Kilogram)	भार (किलोग्राम)
Weight without Oil and Water (Kilogram)	तेल तथा जलरहित भार (किलोग्राम)
Weight of Oil	तेल का भार

Full Description of the Rating Terms English	*Full Description of the Rating Terms Hindi*
Weight of Liquid	द्रव का भार
Weight of Core and Winding	कोर और कुंडलन का भार
Winding	कुंडलन
Winding Temperature Current Transformer	कुंडलन ताप करेंट ट्रांसफार्मर
Wire	तार
Withstand	सहना
Wiring Diagram	तार आरेख
Working Pressure	कार्यकारी दाब
Year	वर्ष
Year of Manufacture	निर्माण वर्ष

INDIAN STANDARDS

ON

ELECTROTECHNICAL STANDARDS (GENERAL)

IS :	
585-1962	Voltages and frequency for ac transmission and distribution systems (*revised*)
3599-1966	Method of measurement of cooling medium temperature for electrical apparatus
3722-1966	Letter symbols and signs used in electrical technology
7691-1975	Frequencies for special power applications
8270 (Part I)-1976	Guide for preparation of diagrams, charts and tables for electrotechnology : Part I Definitions and classification
8270 (Part II)-1976	Guide for preparation of diagrams, charts and tables for electrotechnology : Part II Item designation
8270 (Part III)-1977	Guide for preparation of diagrams, charts and tables for electrotechnology : Part III General requirements for diagrams
8270 (Part IV)-1977	Guide for preparation of diagrams, charts and tables for electrotechnology : Part IV Circuit diagrams
8270 (Part V)-1976	Guide for preparation of diagrams, charts and tables for electrotechnology : Part V Interconnection diagrams and tables
9489-1980	Classification of electrical and electronic equipment with regard to protection against electric shock
9499-1980	Conventions concerning electric and magnetic circuits
9676-1980	Reference ambient temperature for electrical equipment
9677-1980	Guide for limits of temperature-rise of the windings of electrical equipment when tested by different methods
9678-1980	Methods of measuring temperature-rise of electrical equipment
10381-1982	Terms (and their Hindi equivalents) commonly used for name-plates and similar data of electrical power equipment